Left Outer Joins Using Queries

multbr3.p

| Cust-Num | Name | Order-num | Ordered | • |
|----------|--------------------|-----------|---------|---|
| 1 | Lift Line Skiing | 185 | 04/05/9 | |
| 2 | Urpon Frisbee | ? | | |
| 3 | Hoops Croquet Co. | 189 | 04/06/9 | |
| 4 | Go Fishing Ltd | ? | | |
| 5 | Match Point Tennis | ? | | ▼ |

Left Outer Joins Using Queries

- In V8, left outer joins are available on queries. Use the **OUTER-JOIN** keyword in an **OPEN QUERY** statement to create a left outer join.
 - ♦ Since the query in **multbr2.p** uses the **OUTER-JOIN** keyword, PROGRESS treats it as a left outer join and will display customer records even if they have no orders in April.
- If no children exist for the parent, PROGRESS puts a ? in the first field from the child table
- Figures 5-6 and 5-7 show the difference between inner and left outer joins.

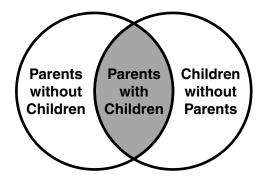


Figure 5-6: Records Selected with an Inner Join

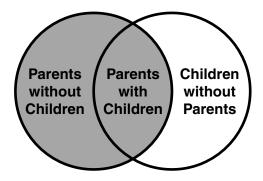


Figure 5-7: Records Selected with a Left Outer Join